

REMARKS

In an Office Action mailed on February 17, 2005, claims 1-7, 13-20 and 27 were rejected under 35 U.S.C. § 102(b) as being anticipated by Abadi; and claims 28-37 were rejected under 35 U.S.C. § 102(b) as being anticipated by Caputo. Claims 6, 7 and 27 have been cancelled. The § 102 rejections are discussed below.

Rejections of Claims 1-5:

As amended, the method of independent claim 1 includes determining a security service to perform with a data block and generating security information to pass along with the data block. The security information identifies the security service. The method includes using a computer peripheral device that is adapted to control communication with a communications channel to select the security service from other security services based on the security information. The data block is processed in the computer peripheral device according to the security information.

Contrary to the limitations of amended independent claim 1, Abadi fails to disclose using a computer peripheral device to select a security service from other security services to perform with a data block based on security information that is passed along with the data block. Instead, Abadi merely discloses that Host A sends the network controller the key version, an encrypted version of a key and a destination address field. *See, for example*, Abadi, 5:7-17. However, this information does not identify one security service from other security services; and furthermore, the cited passage from Abadi fails to teach or suggest using a computer peripheral device to *select* the security service from the key and key version information (*emphasis added*). Thus, for at least these reasons, Abadi fails to anticipate amended independent claim 1.

Claims 2-5 are patentable for at least the reason that these claims depend from an allowable independent claim. Therefore, for at least the reasons that are set forth above, allowance of claims 1-5 is requested.

Rejections of Claims 13-15:

The article of independent claim 13 includes a machine-readable storage medium that contains instructions for execution in a system that includes a computer peripheral device that is

adapted to control communications with a communications channel. The instructions when executed cause the system to receive a data block from the computer peripheral device and determine from information in the data block if a security service has been performed on the data block by the computer peripheral device. The instructions when executed also cause the system to process the data block if the security service has not been performed on the data block by the computer peripheral device.

Claim 13 stands rejected under 35 U.S.C. § 102 in view of Abadi. However, the Examiner fails to consider the specific limitations of claim 13 and set forth a *prima facie* case of anticipation. More specifically, on page 5 of the Office Action, the Examiner states that, "Abadi determines the security measure needed for the packet according to the other host by identifying the encryption key needed to encrypt the data packet and its destination so that packet with transmit to the proper host that can decrypt the packet." Thus, the Examiner still fails to address where Abadi allegedly teaches determining from information in a data block if a security service has been performed and processing the data block if the security service has not been performed. Applicant requests the Examiner to specifically point out where Abadi allegedly teaches instructions to receive and determine, as set in independent claim 13. Otherwise, withdrawal of the § 102 rejection of claim 13 in view of Abadi is requested.

Claims 14 and 15 are patentable for at least the reason that these claims depend from an allowable independent claim. Therefore, for at least the reasons that are set forth above, withdrawal of the § 102 rejections of claims 13-15 is requested.

Rejections of 16-20:

As amended, the controller of independent claim 16 includes a receiving circuit to receive data and associated security control information. The security control information identifies a security service to be performed on the data. The controller also includes cryptographic engine to select the security service from other security services based on the security control information and cryptographically process the data based on the selection. The cryptographic engine, as recited in claim 16, is a computer peripheral device.

See discussion of independent claim 1 above. In particular, Abadi, as recognized by the Examiner, discloses the communication of an encrypted host key and a host key version. Such

information does not, however, identify a security service to be performed on data. Additionally, as amended, independent claim 16 recites that the cryptographic selects a security service from other security services based on the security control information. Thus, there is no teaching or even a suggestion in Abadi that its network controller somehow selects a security service among other security services based on the encrypted host key and version pointed out by the Examiner. Therefore, Abadi fails to anticipate independent claim 16.

Claims 17-20 are patentable for at least the reason that these claims depend from an allowable independent claim. Therefore, for at least the reasons that are set forth above, withdrawal of the § 102 rejections of claims 16-20 is requested.

Rejections of Claims 28-32:

The method of independent claim 28 includes generating security information to pass along with a data block. The security information identifies at least one of an encryption algorithm and an authentication algorithm to be performed by a security service.

Independent claim 28 stands rejected under 35 U.S.C. § 102(b) as being anticipated by Caputo. However, Caputo merely discloses in lines 44-50 of column 5 and in lines 7-16 of column 6 that a plurality of encryption and authentication algorithms may be chosen for a particular implementation of its authenticating/encrypting device. However, there is no teaching or even a suggestion in Caputo regarding security information that is passed along with a data block (on which a security service is performed), which identifies at least one of an encryption algorithm and an authentication algorithm to be performed by the security service. Thus, Applicant requests the Examiner to specifically point out where Caputo allegedly teaches or suggests such security information. Otherwise, withdrawal of the § 102 rejection of claim 28 is requested.

Claims 29-32 are patentable for at least the reason that these claims depend from an allowable independent claim. Therefore, for at least the reasons that are set forth above, withdrawal of the § 102 rejections of claims 28-32 is requested.

Rejections of Claims 33-37:

The controller of independent claim 33 includes a receiving circuit to receive data and associated security control information. The security control information identifies at least one of an encryption algorithm and an authentication algorithm to be performed on the data. Additionally, the controller of independent claim 33 includes a cryptographic engine to cryptographically process the data based on the security control information. The cryptographic engine is, as recited in claim 33, a computer peripheral device.

See discussion of independent claim 28 above. In particular, Caputo fails to teach or even suggest the security information of claim 33. The mere recognition that different security and authentication algorithms may be implemented in a particular device fails to teach or suggest security information that identifies at least one of an encryption algorithm and an authentication algorithm, as expressly recited in claim 33. Thus, Caputo fails to anticipate claim 33.

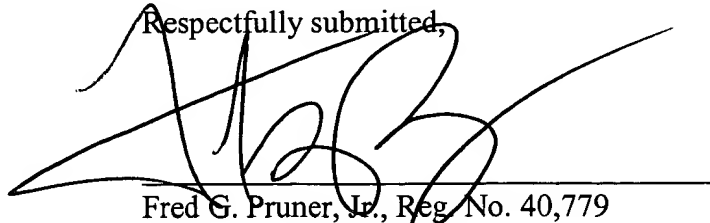
Claims 34-37 are patentable for at least the reason that these claims depend from an allowable independent claim. Therefore, for at least the reasons that are set forth above, withdrawal of the § 102 rejections of claims 33-37 is requested.

CONCLUSION

In view of the foregoing, withdrawal of the § 102 rejections and a favorable action in form of a Notice of Allowance are requested. The Commissioner is authorized to charge any additional fees or credit any overpayment to Deposit Account No. 20-1504 (ITL.0182US).

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Respectfully submitted,



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